Earth's Composition and Structure (Earth and Space Science Unifying Concept C)

By the end of the grade band: Grades K - 2		By the end of the grade band, students know and are able to do everything required in earlier grades and:		By the end of grade band, students know and are able to do everything required in earlier grades and:		By the end of grade band, students know and are able to do everything required in earlier grades and:		
			Grades 3 - 5		Grades 6 - 8		Grades 9 - 12	
E.2.C	Students understand that Earth materials include rocks, soils, and water.	.5	Students understand that features on the Earth's surface are constantly changed by a combination of slow and rapid processes.	E.8.C	Students understand that landforms result from a combination of constructive and destructive processes.	E.12.C	Students understand evidence for processes that take place on a geologic time scale.	
			Students know fossils are evidence of past life. E/S	E.8.C.1	Students know sedimentary rocks and fossils provide evidence for changing environments and the constancy of geologic processes. E/S			
		C.2	Students know water, wind, and ice constantly change the Earth's land surface by eroding rock and soil in some places and depositing them in other areas. E/S	C.5 E.8.C.4 E.8.C.3 E.8.C.2	Students know rocks at Earth's surface weather, forming sediments that are buried.	2		
			Students know landforms may result from slow processes (e.g. erosion and deposition) and fast processes (e.g. volcanoes, earthquakes, landslides, flood, and human activity). E/S		Students know Earth is composed of a crust (both continental and oceanic); hot convecting	breaking, and uplifting of layers. E/S		
		S			Students know the very slow movement of large crustal plates result in geological events. E/S	E.12.C.2	Students understand the concept of plate tectonics including the evidence that supports it (structural, geophysical and paleontological evidence). E/S	-
					Students know how geologic processes account for state and regional topography. E/S	Students know elements exist in fixed amounts		
				8.C.6	students know minerals have different ropoerties and different distributions according	E.12.C.3	and move through solid earth, oceans, atmosphere and living things as part of biogeochemical cycles. E/S	
E.2.C.2	Students know rocks come in many sizes and shapes, with various textures and colors. E/S		Students know rock is composed of different combinations of minerals. E/S	Ë	propoerties and different distributions according to how they form. E/S			
				E.8.C.7	Students know the characteristics, abundances and location of renewable and nonrenewable resources found in Nevada. E/S		Student know processes of obtaining, using, and recycling of renewable and non-renewable resources. E/S	
E.2.C.3	Students know soils have different colors or textures depending on their composition. E/S	5.C	Students know soil varies from place to place and has both biological and mineral components. E/S	E.8.C.8	Students know soils have properties, such as color, texture, and water retention, and provide nutrients for life according to how they form.	12	Students know soil, derived from weathered rocks and decomposed organic material, is found in layers. E/S	ints , , bble

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